



ELSEVIER

Marine Geology 155 (1999) 349–350

**MARINE
GEOLOGY**

INTERNATIONAL JOURNAL OF MARINE
GEOLOGY, GEOCHEMISTRY AND GEOPHYSICS

Contents

Marine Geology Volume 155, 1999

Special Issue: Marine Geology of the Gulf of Cadiz.

Edited by A. Maldonado and C.H. Nelson

Preface	3
The Cadiz margin study off Spain: an introduction C.H. Nelson and A. Maldonado	3
The Betic orogen and the Iberian–African boundary in the Gulf of Cadiz: geological evolution (central North Atlantic) A. Maldonado, L. Somoza and L. Pallarés	9
An interpretation of a prominent magnetic anomaly near the boundary between the Eurasian and African plates (Gulf of Cadiz, SW margin of Iberia) J.J. Dañobeitia, R. Bartolomé, A. Checa, A. Maldonado and A.P. Slootweg	45
A review of the physical oceanography of the Mediterranean outflow M.O. Baringer and J.F. Price	63
Surface facies and sediment dispersal patterns: southeastern Gulf of Cadiz, Spanish continental margin A. López-Galindo, J. Rodero and A. Maldonado	83
Influence of the Atlantic inflow and Mediterranean outflow currents on Late Quaternary sedimentary facies of the Gulf of Cadiz continental margin C.H. Nelson, J. Baraza, A. Maldonado, J. Roderot, C. Escutia and J.H. Barber Jr.	99
Late Quaternary seismic facies of the Gulf of Cadiz Spanish margin: depositional processes influenced by sea-level change and tectonic controls J. Rodero, L. Pallarés and A. Maldonado	131
Late glacial to recent paleoenvironmental changes in the Gulf of Cadiz and formation of sandy contourite layers F.J. Sierro, J.A. Flores and J. Baraza	157
Geotechnical characteristics and slope stability in the Gulf of Cadiz H. Lee and J. Baraza	173
Potential geologic hazards on the eastern Gulf of Cadiz slope (SW Spain) J. Baraza, G. Ercilla and C.H. Nelson	191
Interaction of tectonic and depositional processes that control the evolution of the Iberian Gulf of Cadiz margin A. Maldonado and C.H. Nelson	217
Letter Section	
New occurrence of Youngest Toba Tuff in abyssal sediments of the Central Indian Basin J.N. Pattan, P. Shane and V.K. Banakar	243
Regular Papers	
Continental slope sedimentation adjacent to an ice margin. III. The upper Labrador Slope R. Hesse, I. Klauck, S. Khodabakhsh and D. Piper	249

Seafloor environments in the Long Island Sound estuarine system	
H.J. Knebel, R.P. Signell, R.R. Rendigs, L.J. Poppe and J.H. List	277
The characterisation of Saharan dusts and Nile particulate matter in surface sediments from the Levantine basin using Sr isotopes	
M.D. Krom, R.A. Cliff, L.M. Eijssink, B. Herut and R. Chester	319
Terrigenous sedimentation and coral reef growth: a conceptual framework	
K.J. Woolfe and P. Larcombe	331
Author Index	347

